

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Jet Pump - J type Standard Efficiency Three-Phase		Product code : 14328835	
Frame : 56J		Cooling method : IC01 - ODP			
Insulation class : F		Mounting : F-1			
Duty cycle : Cont.(S1)		Rotation ¹ : CCW			
Ambient temperature : -20°C to +40°C		Starting method : Direct On Line			
Altitude : 1000 m.a.s.l.		Approx. weight ³ : 8.7 kg			
		Moment of inertia (J) : 0.0016 kgm ²			
Output [HP]		0.5			
Poles		2			
Frequency [Hz]		60			
Rated voltage [V]		575			
Rated current [A]		0.718			
L. R. Amperes [A]		4.45			
LRC [A]		6.2x(Code K)			
No load current [A]		0.520			
Rated speed [RPM]		3495			
Slip [%]		2.92			
Rated torque [kgfm]		0.104			
Locked rotor torque [%]		229			
Breakdown torque [%]		290			
Service factor		1.60			
Temperature rise		80 K			
Locked rotor time		59s (cold) 33s (hot)			
Noise level ²		62.0 dB(A)			
Efficiency (%)	25%				
	50%	59.5			
	75%	66.0			
	100%	70.0			
Power Factor	25%				
	50%	0.52			
	75%	0.65			
	100%	0.74			
Bearing type : 6203 2RS		Drive end	Non drive end	Foundation loads Max. traction : 5 kgf Max. compression : 14 kgf	
Sealing : Without		Bearing Seal	Bearing Seal		
Lubrication interval : -					
Lubricant amount : -					
Lubricant type : Mobil Polyrex EM					
Notes					
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by					
Date	16/05/2022			Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

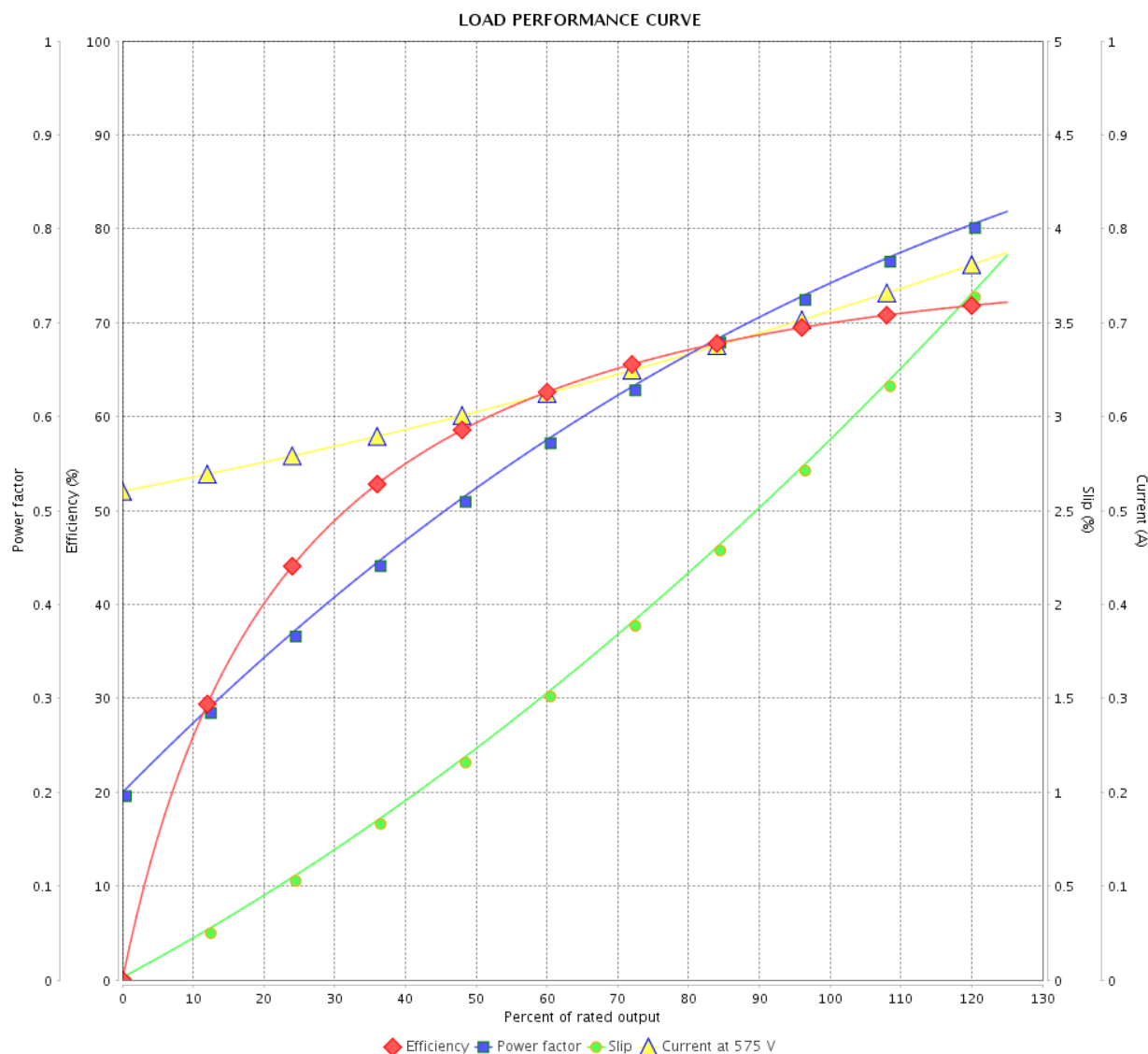
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Efficiency Three-Phase

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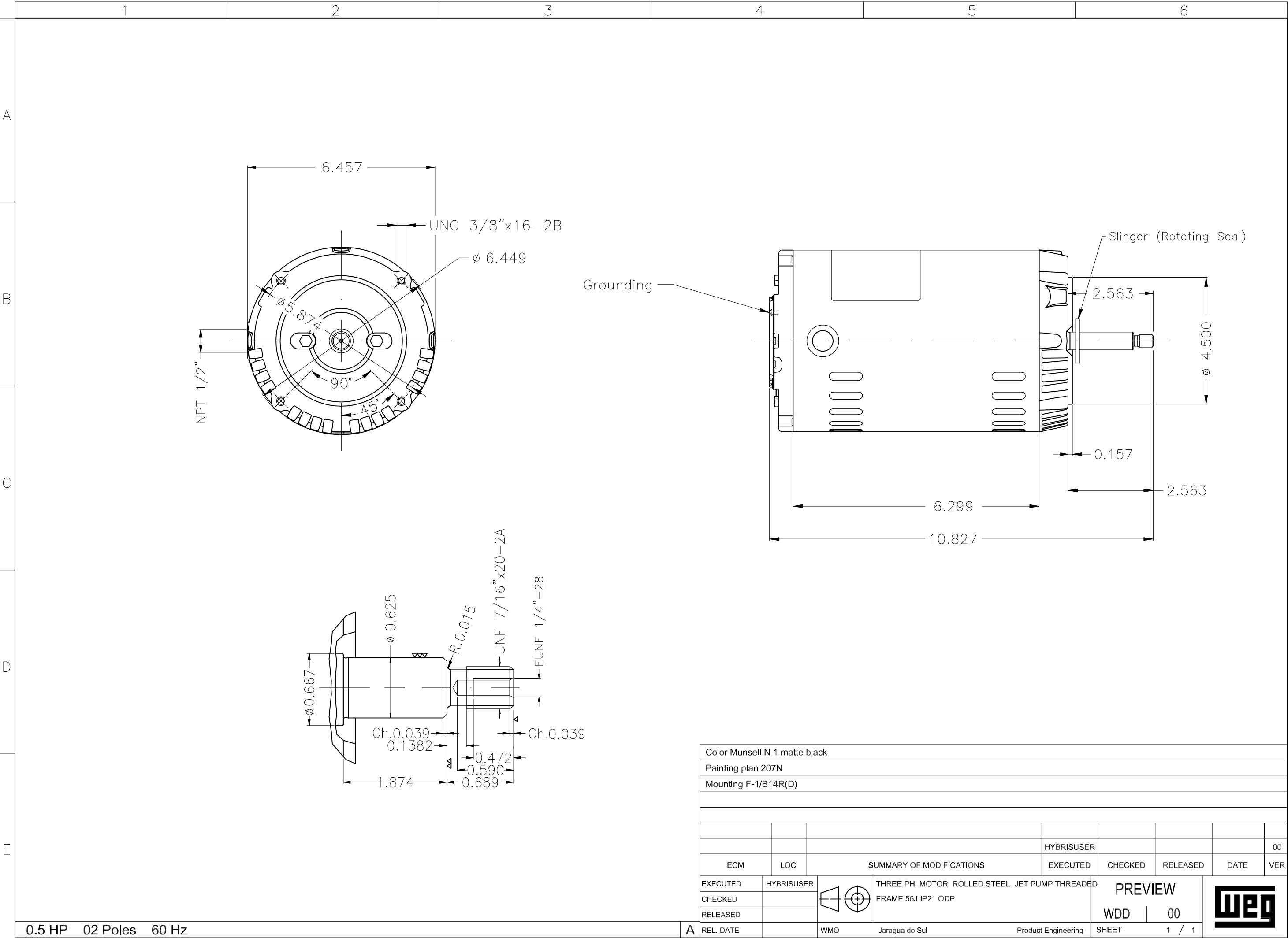


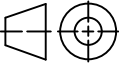
Performance : 575 V 60 Hz 2P

Rated current : 0.718 A
LRC : 6.2
Rated torque : 0.104 kgfm
Locked rotor torque : 229 %
Breakdown torque : 290 %
Rated speed : 3495 rpm

Moment of inertia (J) : 0.0016 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.60
Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2 Revision		
Checked by				
Date	16/05/2022			



Color Munsell N 1 matte black										
Painting plan 207N										
Mounting F-1/B14R(D)										
						HYBRISUSER			00	
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE VER	
EXECUTED	HYBRISUSER	 THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED FRAME 56J IP21 ODP				PREVIEW WDD 00				
CHECKED										
RELEASED										
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1				